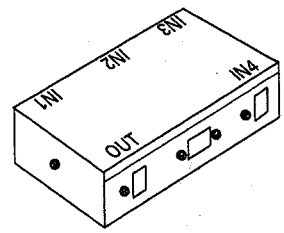
PIONEER®
The Art of Entertainment

Service Manual



ORDER NO.
CRT1569

MULTIPLE INSTALLATION ADAPTOR

CD-P44 E

●This Service Manual has been written in English and Japanese.

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I. EXPLODED VIEW/分解図および部品表

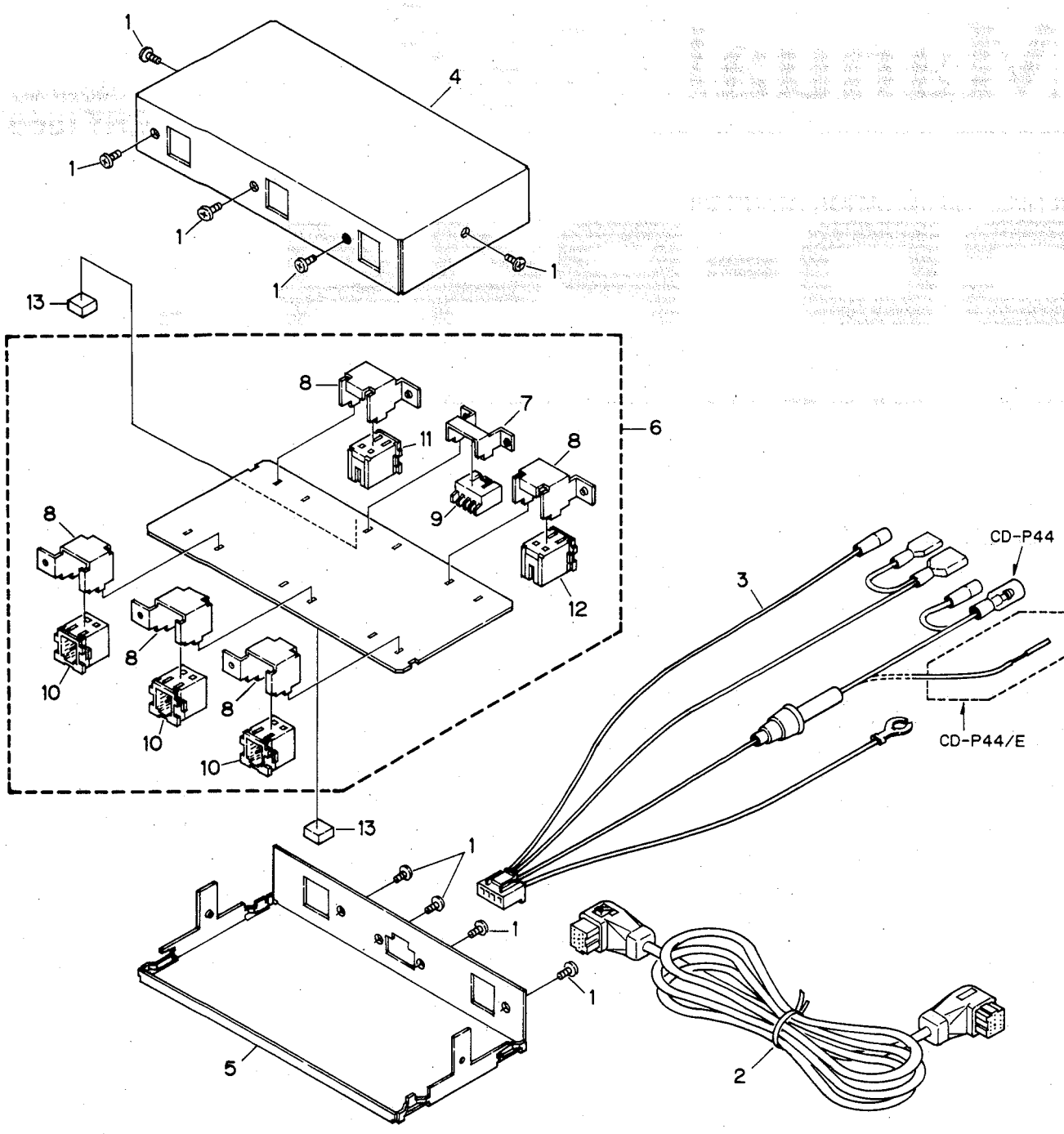


Fig.1

NOTE:
●*Parts marked by "✱" are generally unavailable because they are not in our Master Spare Parts List.*
●*Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*

●✱印の部品は、サービス用部品ではありません。従って原則として供給できません。
●◉印の部品は、供給に時間を要するか、場合によっては供給をお断りすることがあります。

●Parts List(CD-P44/E)

Mark	No.	Description	Part No.
	1	Screw	BSZ30P050FMC
	2	Cord	CDE4115
	3	Cord	CZD3218
	4	Case	CZN6232
	5	Chassis	CZN6233
	6	P.C.Board Unit	CZW3237
	7	Bracket	CZN6159
	8	Bracket	CZN6234
	9	Plug(CN1)	CZK2040
	10	Connector(CN101,201,301)	CKS2486
	11	Connector(CN401)	CKS2482
	12	Connector(CN501)	CKS2485
✱	13	Spacer	CNM2798

●部品表(CD-P44)

ﾏｰｸ	No.	名称	部品番号
	1	ﾈｼﾞ	BSZ30P050FMC
	2	ｺｰﾄﾞ	CDE4115
	3	ｺｰﾄﾞ	CZD3217
	4	ｹｰｽ	CZN6232
	5	ｼｬｰｼ	CZN6233
	6	ｷｬﾋﾞﾈｯﾄ	CZW3237
	7	ﾌﾞﾗｹｯﾄ	CZN6159
	8	ﾌﾞﾗｹｯﾄ	CZN6234
	9	ﾌﾟﾗｸﾞ(CN1)	CZK2040
	10	ｺﾈｸﾀ(CN101,201,301)	CKS2486
	11	ｺﾈｸﾀ(CN401)	CKS2482
	12	ｺﾈｸﾀ(CN501)	CKS2485
✱	13	ｽﾍﾟｰｻ	CNM2798

2. PACKING METHOD/包装仕様

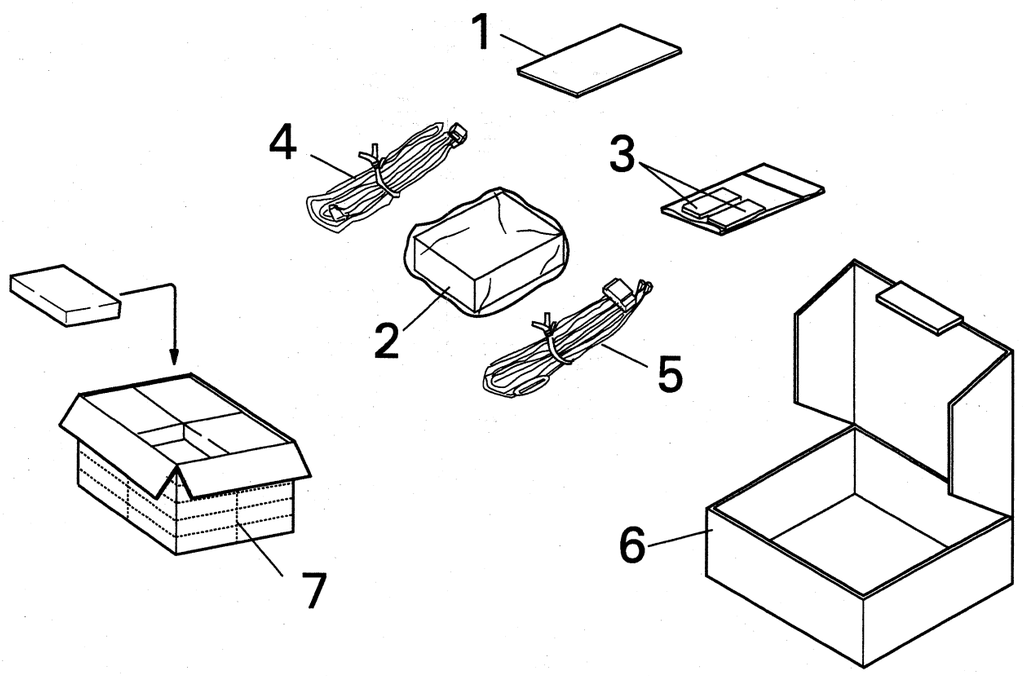


Fig.2

●Parts List(CD-P44/E)

Mark	No.	Description	Part No.
	1-1	Owner's Manual (English,French,German, Spanish,Italian)	CZR3133
	1-2	Caution Card	CZR3136
✱	2	Polyethylene Bag	E36-637
	3	Fastener(×2)	CNM-667
	4	Cord	CDE4115
	5	Cord	CZD3218
	6	Carton	CZH6025
	7	Contain Box	CZH6026

●部品表(CD-P44)

ﾏｰｸ	No.	名称	部品番号
	1-1	ﾄﾘｱｯｶｲｾﾂﾒｲｼｮ	CZR3132
	1-2	ﾁｭｳｲｼｮ	CZR3135
✱	2	ﾎﾟﾘﾌﾞｸﾛ	E36-637
	3	ﾌｱｽﾅ(×2)	CNM-667
	4	ｺｰﾄﾞ	CDE4115
	5	ｺｰﾄﾞ	CZD3217
	6	ﾕﾆｯﾄﾎﾞｯｸｽ	CZH6023
	7	ｺﾝﾃｲﾝﾎﾞｯｸｽ	CZH6024

3. SCHEMATIC CIRCUIT DIAGRAM/総合回路図

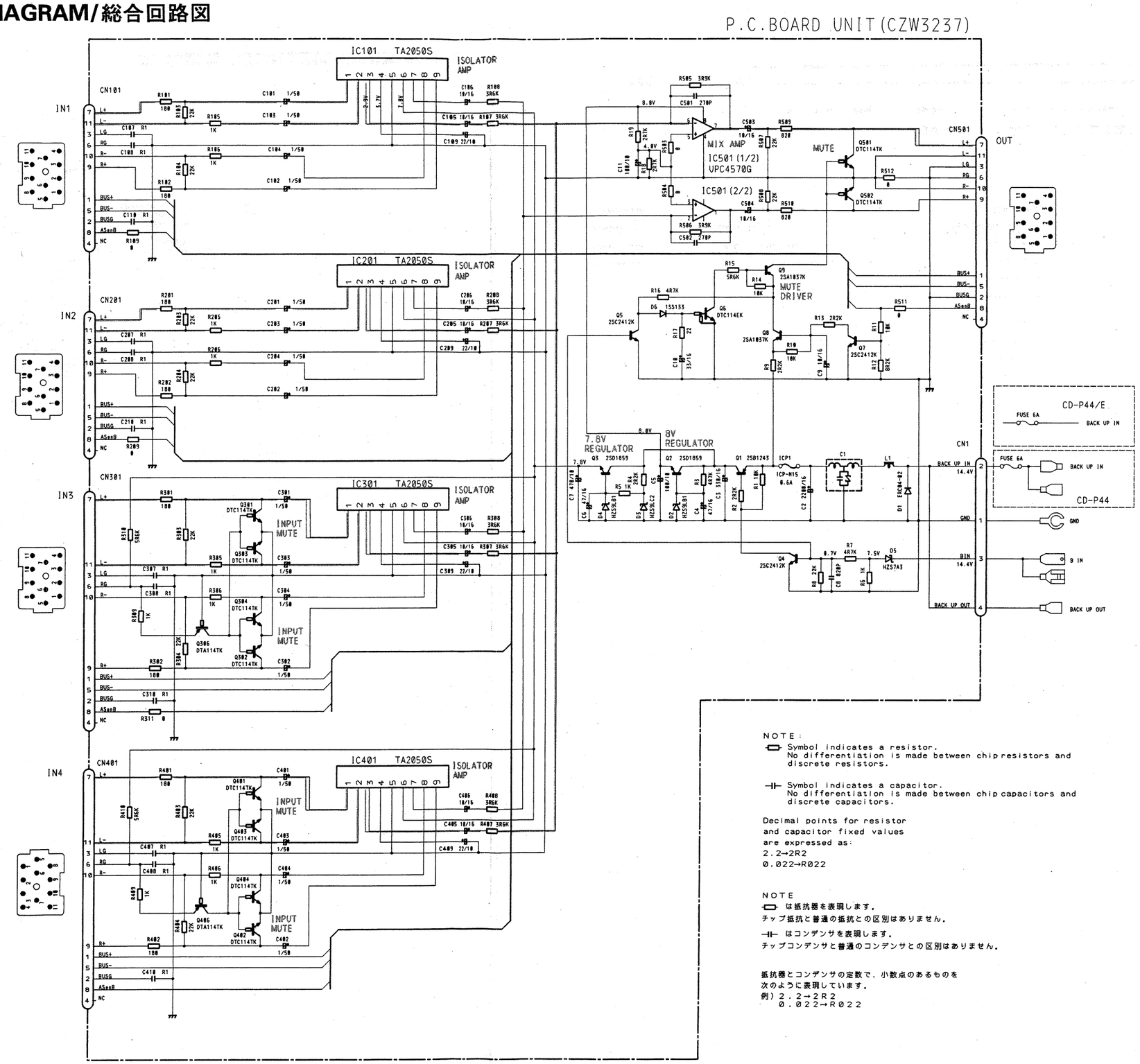


Fig.3

4. CONNECTION DIAGRAM/総合パターン図

P.C. BOARD UNIT

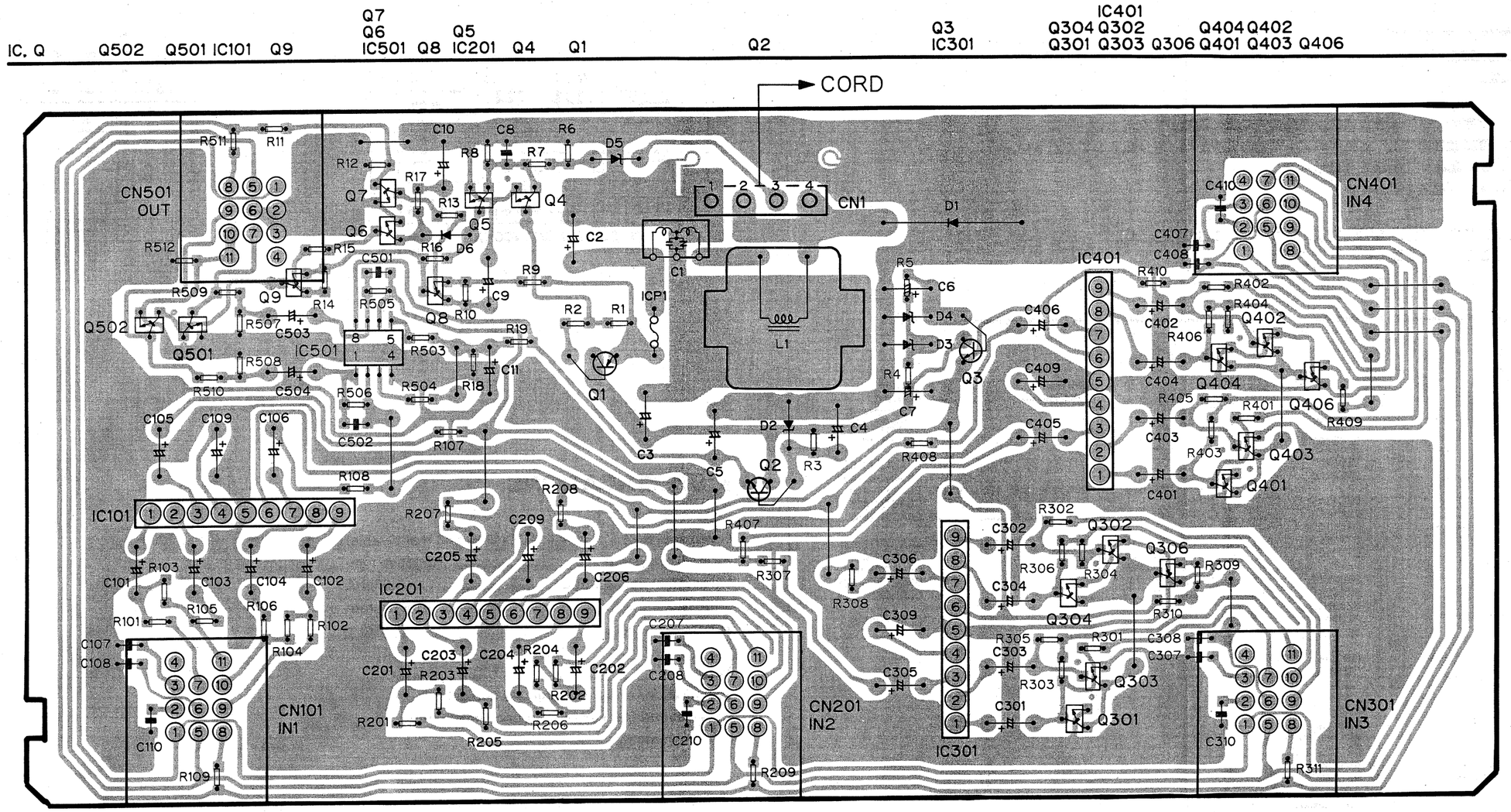


Fig.4

5. ELECTRICAL PARTS LIST/電気部品表

NOTE:

- *Parts whose parts numbers are omitted are subject to being not supplied.*
- *The part numbers shown below indicate chip components.*

Chip Resistor

RS1/○S○○○J,RS1/○○S○○○J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

●部品番号中“Θ”は、英字の“O”を表します。部品発注の際は注意してください。
●部品を発注する際は、特に数字の“1”と英字の“I”との区別をはっきり記入してください。
●部品番号を表示していない部品は、供給できません。
●下記に示す部品番号はチップ部品を表します。
チップ抵抗器
ＲＳ１／□Ｓ□□□Ｊ、ＲＳ１／□□Ｓ□□□Ｊ、ＲＮ１／１０ＳＥ□□□Ｄ
チップコンデンサ（ＣＱＳ……を除く）
ＣＫＳ……、ＣＣＳ……、ＣＳＺＳ……

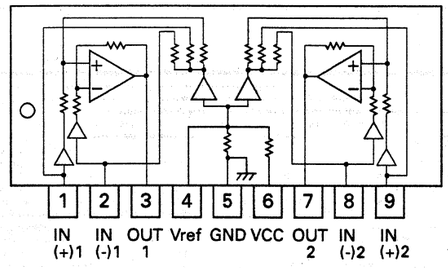
Circuit Symbol & No.	Part Name	Part No.
Unit Number	: CZW3237	
Unit Name	: P.C.Board Unit	
MISCELLANEOUS		
IC 101 201 301 401		TA2050S
IC 501		UPC4570G
Q 1		2SB1243
Q 2 3		2SD1859
Q 4 5 7		2SC2412K
Q 6		DTC114EK
Q 8 9		2SA1037K
Q 301 302 303 304 401 402 403 404		DTC114TK
Q 306 406		DTA144TK
Q 501 502		DTC114TK
D 1		ERC01-02
D 2 4		HZS9LB1
D 3		HZS9LC2
D 5		HZS7A3
D 6		1SS133
ICP 1	IC Protector 0.6A	ICP-N15
L 1	Choke Coil	CTH1016
RESISTORS		
R 1 10 11 14		RS1/10S103J
R 2 4 9 13		RS1/10S222J
R 3 7 16		RS1/10S472J
R 5 6 105 106 205 206 305 306 405 406		RS1/10S102J
R 8 103 104 203 204 303 304 403 404 507		RS1/10S223J
R 12		RS1/10S822J
R 15 310 410		RS1/10S562J
R 17		RS1/10S220J
R 18 19		RS1/10S272J
R 101 102 201 202 301 302 401 402		RS1/10S181J
R 107 108 207 208 307 308 407 408		RS1/10S362J
R 109 209 311 503 504 511 512		RS1/10S0R0J
R 309 409		RS1/10S102J
R 505 506		RS1/10S392J
R 508		RS1/10S223J
R 509 510		RS1/10S821J

Circuit Symbol & No.	Part Name	Part No.
CAPACITORS		
C 1	EMI Filter	CCG1006
C 2	2200 μ F/16V	CCH1001
C 3		CEAS331M16
C 4 6		CEAS470M16
C 5 11		CEAS101M10
C 7		CEAS471M10
C 8		CKSQYB821K50
C 9 105 106 205 206 305 306 405 406 503		CEAS100M16
C 10		CEAS330M16
C 101 102 103 104 201 202 203 204 301 302		CEAS010M50
C 107 108 110 207 208 210 307 308 310 407		CKSQYB104K25
C 109 209 309 409		CEAS220M10
C 303 304 401 402 403 404		CEAS010M50
C 408 410		CKSQYB104K25
C 501 502		CCSQCH271J50
C 504		CEAS100M16

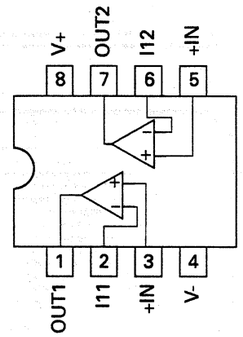
●ICs

●P.C.Board Unit

IC101,201,301,401:TA2050S



IC501:UPC4570G



6. SPECIFICATIONS

Power source .....14.4 V DC(10.8–15.6 V allowable)
Grounding system .....Negative type
Max.current consumption.....56 mA
Dimensions.....162(W)×30(H)×80(D) mm
Weight .....370 g

Note:
Specifications and the design are subject to possible modification without prior notice due to improvements.

7. OPERATION AND CONNECTION

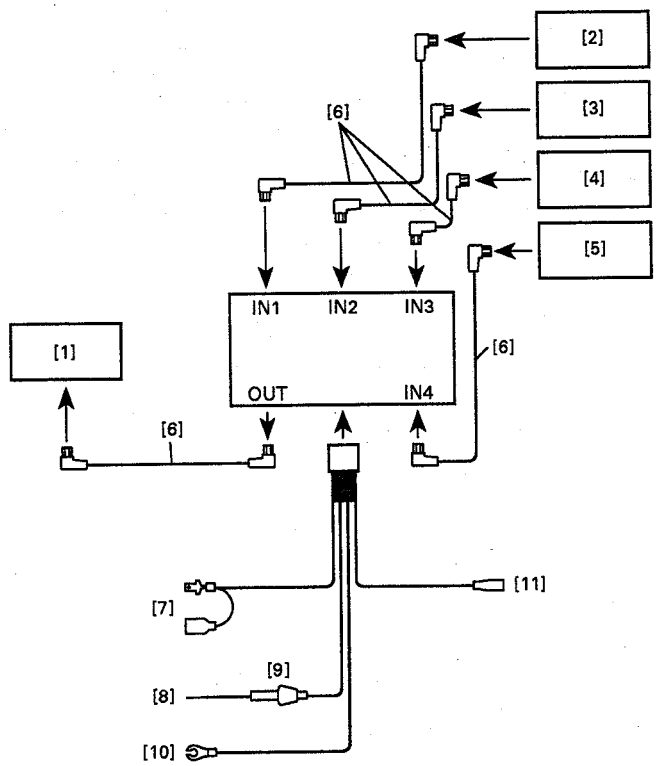


Fig.5

Before Use

Remember the following before use:
This allows two to four multi CD players to be connected to one multi CD controller. Please refer to the multi CD controller's Owner's manual for details on switching of the two to four multi CD players and other operations.

Pressing the clear buttons
After doing the cabling, press all the clear buttons with the tip of a pencil. (See the multi CD controller or CD player Owner's manual.) If a problem such as no power being supplied, nothing happening when you press a multi CD controller button, or the multi CD controller display not showing data correctly, occurs, the microprocessor in the multi CD controller or CD player may be malfunctioning because of noise. In this case, press all the clear buttons with the tip of a pencil. If the clear button is pressed when the player contains a magazine or the ignition switch is set to the ON or ACC position, the CD title display and ITS memory are cleared.

Connecting the Units

- Before mounting, connect the units temporarily. Check that the units are connected correctly by operating the multi-CD controller.
- After connection is complete, press the clear buttons on the player and the multi-CD controller with the tip of a pencil.
- *Be sure to connect the ground lead (black) to the vehicle body or some other metal part that is properly grounded to the chassis. If the ground lead is not properly connected, noise may occur or the player or multi-CD controller may not operate correctly.*
- *This unit is for vehicles with a 12-volt battery and negative grounding. Before installing it in a recreational vehicle, truck, or bus, check the battery voltage.*
- *To avoid shorts in the electrical system, be sure to disconnect the battery (–) cable before beginning installation.*
- *Check whether installation and wiring have been completed correctly. Replace the removed car components, then connect the end of the cable to the negative (–) terminal of the battery.*
- *Secure the wiring with cable clamps or adhesive tape. To protect the wiring, wrap adhesive tape around them where they lie against metal parts.*
- *Route and secure all wiring so it cannot touch any moving parts, such as the gear shift, handbrake, and seat rails. Do not route wiring in places that get hot, such as near the heater outlet. If the insulation of the wiring melts or gets torn, there is a danger of the wiring short-circuiting to the vehicle body.*
- *Don't pass the orange lead through a hole into the engine compartment to connect to the battery. This will damage the lead insulation and cause a very dangerous short.*
- *Do not shorten any leads. If you do, the protection circuit may fail to work when it should.*
- *Never feed power to other equipment by cutting the insulation of the power supply lead of the unit and tapping into the lead. The current capacity of the lead will be exceeded, causing over heating.*
- *Replace fuses only with the types stipulated on the fuse holder.*

(Fig. 5)
[1] Multi-CD controller
[2] Multi-CD Address 1
Connect to IN1 on this unit.
[3] Multi-CD Address 2
Connect to IN2 on this unit.
[4] Multi-CD Address 3
Connect to IN3 on this unit.
[5] Multi-CD Address 4
Connect to IN4 on this unit.
[6] IP-BUS cable
The cables have polarities. The input side of the connector is blue, and the output side is black. Connect the connectors with the same color.
(IP-BUS connectors are colored.)
[7] Blue
Connect the male terminal of this lead to the blue lead of the car stereo (system control terminal). The femele terminal can be connected to the auto-antenna relay control terminal.
[8] Orange
To a terminal always supplied with power regardless of ignition switch position.
[9] Fuse folder
[10] Black (ground)
To vehicle (metal) body.
[11] Orange
Connect to Multi-CD unswitched power supply.